

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

**DATA MATRIX**

Date June 22, 2019	EPA Reg No./File Symbol 71049-4	Page 1 of 14
Applicant's/Registrant's Name & Address KIM-C1, LLC. 1300 West Shaw Avenue, Suite 1B Fresno, CA 93711	Product CPPU Plant Growth Regulator	
Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819		

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
<b>PRODUCT SPECIFIC DATA REQUIREMENTS</b>					
830.1550	Product identity and composition	45794408 47529701	KIM-C1, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	47529701	KIM-C1, LLC	OWN	
830.1620	Description of the Production Process				Not required
830.1650	Description of the Formulation Process	45794408 47672801	KIM-C1, LLC	OWN	
830.1670	Discussion of Formation of Impurities				Not required
830.1700	Preliminary Analysis				Not required
830.1750	Certified Limits	47529701	KIM-C1, LLC	OWN	
830.1800	Enforcement Analytical Method	48573801	KIM-C1, LLC	OWN	
830.6302	Color	47529701	KIM-C1, LLC	OWN	
830.6303	Physical State	47529701	KIM-C1, LLC	OWN	
830.6304	Odor	47529701	KIM-C1, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions				Not required
830.6314	Oxidation/Reduction: Chemical Incompatibility				Waiver
830.6315	Flammability				Waiver
830.6316	Explosibility				Waiver
830.6317	Storage Stability	47310301 48573801	KIM-C1, LLC	OWN	
830.6319	Miscibility				Not required

Signature 	Name and Title Authorized Representative of KIM-C1, LLC	Date 6/22/19
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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819					
Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
830.6320	Corrosion Characteristics	47310301 48573801	KIM-C1, LLC	OWN	
830.6321	Dielectric Breakdown Voltage				Not required
830.7000	pH	45794408 47529701	KIM-C1, LLC	OWN	
830.7050	UV/Visible Absorption				Not required
830.7100	Viscosity	48573802	KIM-C1, LLC	OWN	
830.7200	Melting Point/Melting Range				Not required
830.7220	Boiling Point/Boiling Range				Not required
830.7300	Density/Relative Density/Bulk Density	45794408 47529701	KIM-C1, LLC	OWN	
830.7370	Dissociation Constants in Water				Not required
830.7520	Particle size, fiber length, and diameter distribution				Not Required
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Not required
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method				Not required
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure				Not required

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
870.1100	Acute oral toxicity	45794401 47529704	KIM-C1, LLC	OWN	
870.1200	Acute dermal toxicity	45794402 47529702	KIM-C1, LLC	OWN	
870.1300	Acute inhalation toxicity	45794403	KIM-C1, LLC	OWN	
870.2400	Eye irritation	45794404 47529705	KIM-C1, LLC	OWN	
870.2500	Skin irritation	45794405 47529703	KIM-C1, LLC	OWN	
870.2600	Skin sensitization	45794406	KIM-C1, LLC	OWN	
<b>GENERIC DATA REQUIREMENTS</b>					
830.1550	Product identity and composition	44359533 45794408 45840101 47223101 47322201 47529701 50608502	KIM-C1, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	44359533 45840101 47223101 47529701	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819		

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
		50608503			
830.1620	Description of the Production Process	44359533 45840101 47223101 50608502	KIM-C1, LLC	OWN	
830.1650	Description of the Formulation Process				Not required
830.1670	Discussion of Formation of Impurities	44359533 45840101 47223101 50608502	KIM-C1, LLC	OWN	
830.1700	Preliminary Analysis	44359533 45840101 46320901 47223101 50608503	KIM-C1, LLC	OWN	
830.1750	Certified Limits	44359533 45840101 47223101 50608502	KIM-C1, LLC	OWN	
830.1800	Enforcement Analytical Method	45840101 50608503	KIM-C1, LLC	OWN	
830.6302	Color	44359533 47529701	KIM-C1, LLC	OWN	

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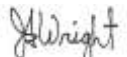
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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819		

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
830.6303	Physical State	44359533 47529701	KIM-C1, LLC	OWN	
830.6304	Odor	44359533 47529701	KIM-C1, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	44359533	KIM-C1, LLC	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	47608102	KIM-C1, LLC	OWN	
830.6315	Flammability	44359507	KIM-C1, LLC	OWN	
830.6316	Explosibility	47608102	KIM-C1, LLC	OWN	
830.6317	Storage Stability	47296201 47529701	KIM-C1, LLC	OWN	
830.6319	Miscibility	45840109	KIM-C1, LLC	OWN	
830.6320	Corrosion Characteristics	47296201	KIM-C1, LLC	OWN	
830.6321	Dielectric Breakdown Voltage				Not required
830.7000	pH	44359506	KIM-C1, LLC	OWN	
830.7050	UV/Visible Absorption	45840112	KIM-C1, LLC	OWN	
830.7100	Viscosity	47608102	KIM-C1, LLC	OWN	
830.7200	Melting Point/Melting Range	44359511 47529701	KIM-C1, LLC	OWN	
830.7220	Boiling Point/Boiling Range				Not required
830.7300	Density/Relative Density/Bulk Density	44359510 47529701	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
830.7370	Dissociation Constants in Water	44394603	KIM-C1, LLC	OWN	
830.7520	Particle size, fiber length, and diameter distribution				Not Required
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	44359512 44359513	KIM-C1, LLC	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	44359509 44359513 47529701	KIM-C1, LLC	OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	44359508 47529701	KIM-C1, LLC	OWN	
870.1100	Acute oral toxicity	44394609 45794401	KIM-C1, LLC	OWN	
870.1200	Acute dermal toxicity	44394611 45794402	KIM-C1, LLC	OWN	
870.1300	Acute inhalation toxicity	44394608 45794403	KIM-C1, LLC	OWN	
870.2400	Eye irritation	44394607 45794404	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819		

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
870.2500	Skin irritation	44394610 45794405	KIM-C1, LLC	OWN	
870.2600	Skin sensitization	44394606 45794406	KIM-C1, LLC	OWN	
<b>GENERIC DATA REQUIREMENTS</b>					
850.1010	Freshwater Invertebrate Toxicity	44359520	KIM-C1, LLC	OWN	
850.1025, .1035, .1045, .1055	Acute Toxicity Estuarine and Marine Organisms	NA			See Endnote <sup>1</sup>
850.1075	Freshwater Fish Toxicity	44359518 44359519	KIM-C1, LLC	OWN	
850.1075	Saltwater Fish Toxicity	NA			See Endnote <sup>1</sup>
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	NA			See Endnote <sup>1</sup>
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	NA			See Endnote <sup>1</sup>
850.1400	Fish Early Life Stage (Freshwater)	NA			See Endnote <sup>1</sup>
850.1400	Fish Early Life Stage (Saltwater)	NA			See Endnote <sup>1</sup>
850.1500	Fish Life Cycle	NA			See Endnote <sup>1</sup>
850.1730	Fish Bioaccumulation Factor	44359524 45840120	KIM-C1, LLC	OWN	
850.1780	Whole Sediment Chronic Estuarine/Marine Invertebrates	NA			See Endnote <sup>1</sup>
850.1735	Whole Sediment: Acute Freshwater Invertebrates	50488701 50488702	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
850.1735	Whole Sediment: Acute Salt Water Invertebrates	50488703	KIM-C1, LLC	OWN	
SS-1208	Chronic Fresh Water Sediment Testing Flow Through (Hyalomma azteca)	50559101	KIM-C1, LLC	OWN	
SS-1209	Chronic Fresh Water Sediment Testing Flow Through (Chironomus dilutus)	50559101	KIM-C1, LLC	OWN	
SS-1210	Chronic Estuarine/Marine Water Sediment Testing Flow Through (Leptocheirus plumulosus)	50559101	KIM-C1, LLC	OWN	
850.2100	Acute Avian Oral Toxicity	44359523	KIM-C1, LLC	OWN	
850.2200	Acute Avian Dietary Toxicity	44359522 44359521	KIM-C1, LLC	OWN	
850.2300	Avian Reproductive Toxicity	49165701 49350901 49889601 50105201	KIM-C1, LLC	OWN	
850.3020	Honey Bee Acute Contact Toxicity	44359525	KIM-C1, LLC	OWN	
Non-guideline (Tier 1) SS-1317	Honey Bee Larvae Acute Oral Toxicity	50446001	KIM-C1, LLC	OWN	
Non-guideline (Tier 1) SS-1311	Honey Bee Adult Acute Oral Toxicity	50346301	KIM-C1, LLC	OWN	
Non-guideline (Tier 1) SS-1313	Honey Bee Adult Chronic Oral Toxicity	50446002	KIM-C1, LLC	OWN	
Non-guideline (Tier 1) SS-1318	Honey Bee Larvae Chronic Oral Toxicity	50446003	KIM-C1, LLC	OWN	
850.4100	Tier 1: Seedling Emergence	45840111	KIM-C1, LLC	OWN	
850.4150	Tier 1: Vegetative Vigor	46753505	KIM-C1, LLC	OWN	
850.4150	Tier 2: Vegetative Vigor	46753505	KIM-C1, LLC	OWN	
850.4400, 850.4500	Tier 1: Aquatic Plant Growth	45840110	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819					
Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
850.5400	Aquatic Plants Field	46753501 46753502 46753503 46753504 46753505	KIM-C1, LLC	OWN	
850.6100	Analytical Method in soil & Water	NA			See Endnote <sup>1</sup>
870.3050	Repeated Dose 2-Day Oral Toxicity Study in Rodents	44359528	KIM-C1, LLC	OWN	
870.3100	90-Day Feeding Rodent	44394614	KIM-C1, LLC	OWN	
870.3100	13-Week Range-Finding Study in Mice	44359528 44359531 45840106	KIM-C1, LLC	OWN	
870.3150	28-Day Dietary in Dogs	44359529 44394615	KIM-C1, LLC	OWN	
870.3150	13-Week (90-Day) Oral Range-Finding – Dogs	44359530	KIM-C1, LLC	OWN	
870.3150	90-Day Dietary Study in Dogs	44394615	KIM-C1, LLC	OWN	
870.3550	Range-Finding Teratology Study in Rats	44359526 45840113	KIM-C1, LLC	OWN	
870.3550	Range-Finding Teratology Study in Rabbits	44359527 45840113	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
870.3700	Teratology Study in Rats	44359526 44394612 45840123	KIM-C1, LLC	OWN	
870.3700	Teratology Study in Rabbits	44359527 44394613 45840122 45840113	KIM-C1, LLC	OWN	
870.3800	2-Generation Reproduction: Rat	44394616	KIM-C1, LLC	OWN	
870.4100	Chronic Feeding – Nonrodent – (One Year Dog)	45840105	KIM-C1, LLC	OWN	
870.4200	18-Month Dietary Carcinogenicity Study in Mice	45840106	KIM-C1, LLC	OWN	
870.4300	Combined Chronic Toxicity/Carcinogenicity	44394617	KIM-C1, LLC	OWN	
870.5100 -870.5915	Mutagenicity Toxicity Tests	44394620	KIM-C1, LLC	OWN	
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	44394618	KIM-C1, LLC	OWN	
870.5385, 870.5395, 870.5450; 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	44394619 44394621	KIM-C1, LLC	OWN	
870.6200	90-Day Neurotoxicity	48966606	KIM-C1, LLC	OWN	
870.7485	Metabolism and Pharmacokinetics	45840107	KIM-C1, LLC	OWN	
870.7800	Immunotoxicity	49080501	KIM-C1, LLC	OWN	
875.1000	Applicator Exposure	48966604	KIM-C1, LLC	OWN	
875.2000	Post Applicator Exposure	48966604	KIM-C1, LLC	OWN	
840.1100 (201-1)	Droplet Size Spectrum	45840114	KIM-C1, LLC	OWN	
840.1100 (202-1)	Droplet Size Spectrum	45840115	KIM-C1, LLC	OWN	

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Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819					

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
835.1230/1250	Adsorption/Desorption (Batch Equilibrium)	44359516 45840121	KIM-C1, LLC	OWN	
835.1240	PRZM (Pesticide Root Zone Model) Ground Water Contamination	44359517	KIM-C1, LLC	OWN	
835.2120/2130	Hydrolysis	44394604	KIM-C1, LLC	OWN	
835.2240	Photodegradation in Water	44394605	KIM-C1, LLC	OWN	
835.2410	Photodegradation in Soil		KIM-C1, LLC	OWN	
835.4100	Aerobic Soil Metabolism	44359515 45840119	KIM-C1, LLC	OWN	
835.4200	Anaerobic Soil Metabolism	44359514 45840118	KIM-C1, LLC	OWN	
835.6100	Soil Field Dissipation Study	49165702	KIM-C1, LLC	OWN	
860.1100	Chemical Identity	44359533	KIM-C1, LLC	OWN	
860.1300 (171-4A)	Nature of the Residue: Plants	44359501 44359502 44359503 44359504 44394601 44394602 47190601 47190602	KIM-C1, LLC	OWN	
860.1300 (171-4B)	Nature of the Residue: Livestock	48966605	KIM-C1, LLC	OWN	

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**DATA MATRIX**

Date June 22, 2019	EPA Reg No./File Symbol 71049-4	Page 12 of 14
Applicant's/Registrant's Name & Address KIM-C1, LLC. 1300 West Shaw Avenue, Suite 1B Fresno, CA 93711	Product CPPU Plant Growth Regulator	
Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819		

Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
860.1340 (171-4C/D)	Residue Analytical Methods- Plants	44356504 44359502 44359503 45840104	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: Overview	48871201	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: - grapes	44359532 45794407 45794407	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: kiwifruit	44394622 45840116 45840117	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: fig	47190601 48966601	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: pistachio	47190601 48966601	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: pome fruit	47190601	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: stone fruit	47190601	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: almonds	47190602 48966601	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: pear	48966601 48966602	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: cherry	48966601 48966602	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: plum	48966601	KIM-C1, LLC	OWN	
860.1500	Magnitude of the Residue in Plants: blueberry	47150801	IR-4	PL	
860.1550	Proposed Tolerance	45840104	KIM-C1, LLC	OWN	

Signature 	Name and Title Authorized Representative of KIM-C1, LLC	Date 6/22/19
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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**DATA MATRIX**

Date June 22, 2019			EPA Reg No./File Symbol 71049-4	Page 13 of 14	
Applicant's/Registrant's Name & Address KIM-C1, LLC. 1300 West Shaw Avenue, Suite 1B Fresno, CA 93711			Product  CPPU Plant Growth Regulator		
Ingredient: forchlorfenuron (CAS No.: 68157-60-8) PC Code:128819					
Guideline Reference Number	Guideline Study Name	MRID Number		Status	Note
860.1560	Reason Grounds in Support of the Petition	45840108 48966603	KIM-C1, LLC	OWN	
860.1400 (171-4F)	Nature and Magnitude of the Residue in Potable Water	48966603	KIM-C1, LLC	OWN	

Signature 	Name and Title Authorized Representative of KIM-C1, LLC	Date 6/22/19
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## **Endnotes for Data Matrix**

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<sup>1</sup> Not required as described in EFED Registration Review Problem Formulation for Forchlorfenuron, January 28, 2015, DP Barcode: 422524, EPA-HQ-OPP-2014-0641-003.